

## ABSTRACT

A combustion apparatus according to the present invention can positively control and generate burnt gas recirculation with a simple structure. The combustion apparatus  
5 has an annular container (12) having an inner cylindrical portion (15) forming an inner circumferential side surface, an outer cylindrical portion (13) forming an outer circumferential side surface, an open end (26), and a close end (10). A flow (28) of air is formed so as to have a velocity component in the direction of a central axis (J) from the open end (26) to the close end (10) and a velocity component to swirl in a circumferential  
10 direction of the annular container (12). Fuel (23) is injected so as to have a velocity component in the direction of the central axis (J) from the close end (10) to the open end (26) and a velocity component directed radially outward.